

CORRECTED VERSION

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
24 June 2004 (24.06.2004)

PCT

(10) International Publication Number  
**WO 2004/053061 A2**

- (51) International Patent Classification<sup>7</sup>: C12N CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (21) International Application Number: PCT/US2003/037907 (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (22) International Filing Date: 25 November 2003 (25.11.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 10/304,234 26 November 2002 (26.11.2002) US
- (71) Applicant (*for all designated States except US*): NU-VELO, INC. [US/US]; 675 Almanor Avenue, Sunnyvale, CA 94085 (US). Published:  
— without international search report and to be republished upon receipt of that report
- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): EMTAGE, Peter, C., R. [CA/US]; 879 S. Knickerbocker Drive, Sunnyvale, CA 94087 (US).
- (74) Agent: QUERTERMOUS, Elena; NUVELO, Inc., 675 Almanor Avenue, Sunnyvale, CA 94085 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

(48) Date of publication of this corrected version:  
12 August 2004

(15) Information about Correction:  
see PCT Gazette No. 33/2004 of 12 August 2004, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/053061 A2

(54) Title: METHODS OF THERAPY AND DIAGNOSIS USING TARGETING OF CELLS THAT EXPRESS LAX

(57) Abstract: Certain cells are capable of expressing LAX RNA. Targeting using LAX polypeptides, nucleic acids encoding for LAX polypeptides and anti-LAX antibodies, peptides and small molecules provides a method of killing or inhibiting the growth of cells that express the LAX protein. Methods of therapy and diagnosis of disorders associated with LAX protein-expressing cells are described.